CLAIMS

1. A reception method in a radio system comprising at least two receivers comprising a radio part and a baseband part, each receiver using a dedicated narrowband channel, the method comprising:

receiving, by the radio part of each receiver, the narrowband channel used by the receiver from the radio path;

forwarding the received narrowband channel from the radio part of the receiver to the baseband part for further processing;

receiving, by the radio part of at least one receiver, in addition to the narrowband channel used by the receiver, at least one narrowband channel other than that used by the receiver from the radio path; and

forwarding said at least one other narrowband channel from the radio part of said at least one receiver to the baseband part of at least one other receiver using said other narrowband channel for further processing.

2. The method of claim 1, the method comprising:

receiving each narrowband channel used by the system receivers from the radio path by the radio part of at least one receiver; and

forwarding each received narrowband channel from the radio part of said at least one receiver to the baseband part of the receiver using the channel in question for further processing.

3. The method of claim 1 or 2, wherein said further processing of the narrowband channel in the baseband part comprises channel demodulation.

4. The method of claim 1 or 2, wherein at least one of the receivers comprises at least two radio parts.

5. The method of claim 1 or 2, the method further comprising:

combining the narrowband channels for further processing in the baseband part of the receiver when two or more narrowband channels received via different paths are forwarded to the baseband part.

6. The method of claim 1 or 2, the method further comprising:

selecting the best narrowband channel for further processing in the baseband part of the receiver when two or more narrowband channels received via different paths are forwarded to the baseband part.

7. A radio system comprising:

at least two receivers comprising a radio part and a baseband part, each receiver being configured to use a dedicated narrowband channel, and

the radio part of each receiver being configured to receive the narrowband channel used by the receiver from the radio path and to forward the received narrowband channel to the baseband part of the receiver for further processing, wherein

the radio part of at least one receiver is configured to receive in addition to the narrowband channel used by the receiver, at least one other narrowband channel in addition to the channel used by the receiver from the radio path, the system further comprising:

transmission means for forwarding said at least one other narrowband channel from the radio part of said at least one receiver to the baseband part of at least one other receiver using said other narrowband channel for further processing.

8. The system of claim 7, wherein the radio part of at least one receiver is adapted to receive each narrowband channel used by the system receivers from the radio path, the system further comprising:

transmission means for forwarding each of said narrowband channels from the radio part of said at least one receiver to the baseband part of the receiver using said channel for further processing.

9. The system of claim 7 or 8, wherein said further processing of the narrowband channel in the baseband part comprises channel demodulation.

10. The system of claim 7 or 8, wherein at least one receiver comprises at least two radio parts.

11. The system of claim 7 or 8, wherein the baseband part of the receiver is configured to combine the narrowband channels for further processing when two or more narrowband channels received via different paths are forwarded to the baseband part.

12. The system of claim 7 or 8, wherein the baseband part of the receiver is configured to select the best narrowband channel for further processing when two or more narrowband channels received via different paths are forwarded to the baseband part.

13. A receiver in a radio system comprising at least two receivers comprising a radio part and a baseband part, each receiver being configured to use a dedicated narrowband channel, and the radio part of the receiver being configured to receive the narrowband channel used by the receiver from the radio path and to forward the received narrowband channel to the baseband part of the receiver for further processing, wherein:

the radio part of the receiver is configured to receive in addition to the narrowband channel used by the receiver, at least one other narrowband channel in addition to the channel used by the receiver from the radio path; and

the receiver is configured to forward said at least one other narrowband channel from the radio part of the receiver to the baseband part of at least one other radio system receiver using said other narrowband channel for further processing.

14. The receiver of claim 13, wherein the wideband radio part of the receiver is configured to receive each narrowband channel used by the radio system receivers from the radio path and to forward each of said narrowband channels from the radio part of the receiver to the baseband part of the other receiver using said channel for further processing.

15. The receiver of claim 13 or 14, the receiver comprising at least two radio parts.

16. The receiver of claim 13 or 14, wherein the baseband part of the receiver is configured to combine the narrowband channels for further processing when two or more narrowband channels received via different paths are forwarded to the baseband part.

17. The receiver of claim 13 or 14, wherein the baseband part of the receiver is configured to select the best narrowband channel for further processing when two or more narrowband channels received via different paths are forwarded to the baseband part.